J. Ketter

6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/384,327

DATE: 03/11/2002
TIME: 10:59:54

Input Set : N:\Crf3\RULE60\09384327.txt
Output Set: N:\CRF3\03112002\I384327.raw

SEQUENCE LISTING
4 (1) GENERAL INFORMATION:
6   (i) APPLICANT: Grinnell, Brian W.
8   (ii) TITLE OF INVENTION: METHOD FOR COAMPLIFICATION OF HUMAN
9   PROTEIN C GENES IN HUMAN CELLS
11   (iii) NUMBER OF SEQUENCES: 21
13   (iv) CORRESPONDENCE ADDRESS:
14   (A) ADDRESSEE: Eli Lilly and Company
15   (B) STREET: Lilly Corporate Center/Patent Division
16   (C) CITY: Indianapolis
17   (D) STATE: IN
18   (E) COUNTRY: US
19   (F) ZIP: 46285
21   (v) COMPUTER READABLE FORM:
22   (A) MEDIUM TYPE: Floppy disk
23   (B) COMPUTER: IBM PC compatible
24   (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25   (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27   (vi) CURRENT APPLICATION DATA:
C--> 28   (A) APPLICATION NUMBER: US/09/384,327
C--> 29   (B) FILING DATE: 16-Aug-1999
30   (C) CLASSIFICATION:
32   (vii) PRIOR APPLICATION DATA:
33   (A) APPLICATION NUMBER: 08/458,372
34   (B) FILING DATE: 02-JUN-1995
38   (viii) ATTORNEY/AGENT INFORMATION:
39   (A) NAME: Norman, Douglas K.
40   (B) REGISTRATION NUMBER: 33,267
41   (C) REFERENCE/DOCKET NUMBER: X-66061
43   (ix) TELECOMMUNICATION INFORMATION:
44   (A) TELEPHONE: 317-276-2958
45   (B) TELEFAX: 317-277-1917
48 (2) INFORMATION FOR SEQ ID NO: 1:
50   (i) SEQUENCE CHARACTERISTICS:
51   (A) LENGTH: 200 base pairs
52   (B) TYPE: nucleic acid
53   (C) STRANDEDNESS: single
54   (D) TOPOLOGY: linear
56   (ii) MOLECULE TYPE: mRNA
62   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
64 ACUCUCUUCC GCAUCGCUGU CUGCGAGGGC CAGCUGUUGG GCUCGCGGUU GAGGACAAAC   60
66 UCUUCGCGGU CUUUCCAGUA CUCUUGGAUC GGAAACCCGU CGGCCUCCGA ACGUACUCCG   120
68 CCACCGAGGG ACCUGAGCGA GUCCGCAUCG ACCGGAUCGG AAAACCUCUC GAGAAAGGCG   180

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70  UCUAACCAGU CACAGUCGCA                                            200
73  (2) INFORMATION FOR SEQ ID NO: 2:
75      (i) SEQUENCE CHARACTERISTICS:
76          (A) LENGTH: 33 base pairs
77          (B) TYPE: nucleic acid
78          (C) STRANDEDNESS: single
79          (D) TOPOLOGY: linear
81      (ii) MOLECULE TYPE: mRNA
84      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
86  ACUCUCUUCC GCAUCGCUGU CUGCGAGGGC CAG                              33
88  (2) INFORMATION FOR SEQ ID NO: 3:
90      (i) SEQUENCE CHARACTERISTICS:
91          (A) LENGTH: 12 base pairs
92          (B) TYPE: nucleic acid
93          (C) STRANDEDNESS: single
94          (D) TOPOLOGY: linear
96      (ii) MOLECULE TYPE: DNA (genomic)
99      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101 AGCTTTGATC AG                                                     12
104 (2) INFORMATION FOR SEQ ID NO: 4:
106     (i) SEQUENCE CHARACTERISTICS:
107         (A) LENGTH: 12 base pairs
108         (B) TYPE: nucleic acid
109         (C) STRANDEDNESS: single
110         (D) TOPOLOGY: linear
112     (ii) MOLECULE TYPE: DNA (genomic)
117     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
119 GCACCTGATC AA                                                     12
122 (2) INFORMATION FOR SEQ ID NO: 5:
124     (i) SEQUENCE CHARACTERISTICS:
125         (A) LENGTH: 8 base pairs
126         (B) TYPE: nucleic acid
127         (C) STRANDEDNESS: single
128         (D) TOPOLOGY: linear
130     (ii) MOLECULE TYPE: DNA (genomic)
133     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135 GTGATCAA                                                          8
138 (2) INFORMATION FOR SEQ ID NO: 6:
140     (i) SEQUENCE CHARACTERISTICS:
141         (A) LENGTH: 16 base pairs
142         (B) TYPE: nucleic acid
143         (C) STRANDEDNESS: single
144         (D) TOPOLOGY: linear
146     (ii) MOLECULE TYPE: DNA (genomic)
149     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
151 GATCTTGATC ACTGCA                                                 16
154 (2) INFORMATION FOR SEQ ID NO: 7:
156     (i) SEQUENCE CHARACTERISTICS:
157         (A) LENGTH: 8 base pairs
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```
158              (B) TYPE: nucleic acid
159              (C) STRANDEDNESS: single
160              (D) TOPOLOGY: linear
162        (ii) MOLECULE TYPE: DNA (genomic)
165        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
167 CGGATCCG                                                        8
172 (2) INFORMATION FOR SEQ ID NO: 8:
174        (i) SEQUENCE CHARACTERISTICS:
175              (A) LENGTH: 8 base pairs
176              (B) TYPE: nucleic acid
177              (C) STRANDEDNESS: single
178              (D) TOPOLOGY: linear
180        (ii) MOLECULE TYPE: DNA (genomic)
183        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
185 CGGATCCG                                                        8
188 (2) INFORMATION FOR SEQ ID NO: 9:
190        (i) SEQUENCE CHARACTERISTICS:
191              (A) LENGTH: 287 base pairs
192              (B) TYPE: nucleic acid
193              (C) STRANDEDNESS: single
194              (D) TOPOLOGY: linear
196        (ii) MOLECULE TYPE: DNA (genomic)
199        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
201 AATTCACGCT GTGGTGTTAT GGTCGGTGGT CGCTAGGGTG CCGACGCGCA TCTCGACTGC    60
203 ACGGTGCACC AATGCTTCTG GCGTCAGGCA GCCAATCGGA AGCTGTGGTA TGGCTGTGCA   120
205 GGTCGTATAA TCACCGCATA ATTCGAGTCG CTCAAGGCGC ACTCCCGTTC CGGATAATGT   180
207 TTTTTGCTCC GACATCATAA CGGTTCCGGC AAATATTCTG AAATGAGCTG TTGACAATTA   240
209 ATCATCGAAC TAGTTAACTA GTACGCAAGT TCTCGTAAAA AGGGTAT               287
212 (2) INFORMATION FOR SEQ ID NO: 10:
214        (i) SEQUENCE CHARACTERISTICS:
215              (A) LENGTH: 285 base pairs
216              (B) TYPE: nucleic acid
217              (C) STRANDEDNESS: single
218              (D) TOPOLOGY: linear
220        (ii) MOLECULE TYPE: DNA (genomic)
223        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
225 CGATACCCTT TTTACGAGAA CTTGCGTACT AGTTAACTAG TTCGATGATT AATTGTCAAC    60
227 AGCTCATTTC AGAATATTTG CCGGAACCGT TATGATGTCG GAGCAAAAAA CATTATCCGG   120
229 AACGGGAGTG CGCCTTGAGC GACTCGAATT ATGCGGTGAT TATACGACCT GCACAGCCAT   180
231 ACCACAGCTT CCGATTGGCT GCCTGACGCC AGAAGCATTG GTGCACCGTG CAGTCGAGAT   240
233 GCGCGTCGGC ACCCTAGCGA CCACCGACCA TAACACCACA GCGTG                 285
237 (2) INFORMATION FOR SEQ ID NO: 11:
239        (i) SEQUENCE CHARACTERISTICS:
240              (A) LENGTH: 8 base pairs
241              (B) TYPE: nucleic acid
242              (C) STRANDEDNESS: single
243              (D) TOPOLOGY: linear
245        (ii) MOLECULE TYPE: DNA (genomic)
249        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
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```
251 CCATATGG                                                         8
254 (2) INFORMATION FOR SEQ ID NO: 12:
256     (i) SEQUENCE CHARACTERISTICS:
257         (A) LENGTH: 8 base pairs
258         (B) TYPE: nucleic acid
259         (C) STRANDEDNESS: single
260         (D) TOPOLOGY: linear
262     (ii) MOLECULE TYPE: DNA (genomic)
265     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
267 CCATATGG                                                         8
270 (2) INFORMATION FOR SEQ ID NO: 13:
272     (i) SEQUENCE CHARACTERISTICS:
273         (A) LENGTH: 8 base pairs
274         (B) TYPE: nucleic acid
275         (C) STRANDEDNESS: single
276         (D) TOPOLOGY: linear
278     (ii) MOLECULE TYPE: DNA (genomic)
282     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
284 CGTTAACG                                                         8
287 (2) INFORMATION FOR SEQ ID NO: 14:
289     (i) SEQUENCE CHARACTERISTICS:
290         (A) LENGTH: 8 base pairs
291         (B) TYPE: nucleic acid
292         (C) STRANDEDNESS: single
293         (D) TOPOLOGY: linear
295     (ii) MOLECULE TYPE: DNA (genomic)
298     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
300 CGTTAACG                                                         8
303 (2) INFORMATION FOR SEQ ID NO: 15:
305     (i) SEQUENCE CHARACTERISTICS:
306         (A) LENGTH: 36 base pairs
307         (B) TYPE: nucleic acid
308         (C) STRANDEDNESS: single
309         (D) TOPOLOGY: linear
311     (ii) MOLECULE TYPE: DNA (genomic)
314     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
316 GGGAAGTGCT GTGAAATATC CACCTGCGGC CTGAGA                          36
319 (2) INFORMATION FOR SEQ ID NO: 16:
321     (i) SEQUENCE CHARACTERISTICS:
322         (A) LENGTH: 46 base pairs
323         (B) TYPE: nucleic acid
324         (C) STRANDEDNESS: single
325         (D) TOPOLOGY: linear
327     (ii) MOLECULE TYPE: DNA (genomic)
330     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
332 CTAGAGGGTA TTAATAATGT ATCGATTTAA ATAAGGAGGA ATAACA              46
335 (2) INFORMATION FOR SEQ ID NO: 17:
338     (i) SEQUENCE CHARACTERISTICS:
339         (A) LENGTH: 44 base pairs
```

```
 340          (B) TYPE: nucleic acid
 341          (C) STRANDEDNESS: single
 342          (D) TOPOLOGY: linear
 344     (ii) MOLECULE TYPE: DNA (genomic)
 347     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 349 TATGTTATTC CTCCTTATTT AAATCGATAC ATTATTAATA CCCT              44
 352 (2) INFORMATION FOR SEQ ID NO: 18:
 354     (i) SEQUENCE CHARACTERISTICS:
 355          (A) LENGTH: 22 base pairs
 356          (B) TYPE: nucleic acid
 357          (C) STRANDEDNESS: single
 358          (D) TOPOLOGY: linear
 360     (ii) MOLECULE TYPE: DNA (genomic)
 363     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
 365 GATCTATTAA CTCAATCTAG AC                                       22
 368 (2) INFORMATION FOR SEQ ID NO: 19:
 370     (i) SEQUENCE CHARACTERISTICS:
 371          (A) LENGTH: 22 base pairs
 372          (B) TYPE: nucleic acid
 373          (C) STRANDEDNESS: single
 374          (D) TOPOLOGY: linear
 376     (ii) MOLECULE TYPE: DNA (genomic)
 378     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
 380 TCGAGTCTAG ATTGAGTTAA TA                                       22
 383 (2) INFORMATION FOR SEQ ID NO: 20:
 385     (i) SEQUENCE CHARACTERISTICS:
 386          (A) LENGTH: 872 base pairs
 387          (B) TYPE: nucleic acid
 388          (C) STRANDEDNESS: single
 389          (D) TOPOLOGY: linear
 391     (ii) MOLECULE TYPE: DNA (genomic)
 394     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
 396 AAGCTTTTCT CATTAAGGGA AGATTTCCCC AGGCAGCTCT TTCAAGGCCT AAAAGGTCCA    60
 398 TGAGCTCCAT GGATTCTTCC CTGTTAAGAA CTTTATCCAT TTTTGCAAAA ATTGCAAAAG   120
 400 AATAGGGATT TCCCCAAATA GTTTTGCTAG GCCTCAGAAA AAGCCTCCAC ACCCTTACTA   180
 402 CTTGAGAGAA AGGGTGGAGG CAGAGGCGGC CTCGGCCTCT TATATATTAT AAAAAAAAAG   240
 404 GCCACAGGGA GGAGCTGCTT ACCCATGGAA TGCAGCCAAA CCATGACCTC AGGAAGGAAA   300
 406 GTGCATGACT CACAGGGGAA TGCAGCCAAA CCATGACCTC AGGAAGGAAA GTGCATGACT   360
 408 CACAGGGAGG AGCTGCTTAC CCATGGAATG CAGCCAAACC ATGACCTCAG GAAGGAAAGT   420
 410 GCATGACTGG GCAGCCAGCC AGTGGCAGTT AATAGTGAAA CCCCGCCGAC AGACATGTTT   480
 412 TGCGAGCCTA GGAATCTTGG CCTTGTCCCC AGTTAAACTG GACAAAGGCC ATGGTTCTGC   540
 414 GCCAGGCTGT CCTTCGAGCG GTGTTCCGCG GTCCTCCTCG TATAGAAACT CGGACCACTC   600
 416 TGAGACGAAG GCTCGCGTCC AGGCCAGCAC GAAGGAGGCT AAGTGGGAGG GGTAGCGGTC   660
 418 GTTGTCCACT AGGGGGTCCA CTCGCTCCAG GGTGTGAAGA CACATGTCGC CCTCTTCGGC   720
 420 ATCAAGGAAG GTGATTGGTT TATAGGTGTA GGCCAGACCG GGTGTTCCTG AAGGGGGGCT   780
 422 ATAAAAGGGG GTGGGGGCGC GTTCGTCCTC ACTCTCTTCC GCATCGCTGT CTGCGAGGGC   840
 424 CAGCTGATCA GCCTAGGCTT TGCAAAAAGC TT                               872
 427 (2) INFORMATION FOR SEQ ID NO: 21:
 429     (i) SEQUENCE CHARACTERISTICS:
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VERIFICATION SUMMARY DATE: 03/11/2002
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Input Set : **N:\Crf3\RULE60\09384327.txt**
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L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]